

# PATENT ABSTRACTS OF JAPAN

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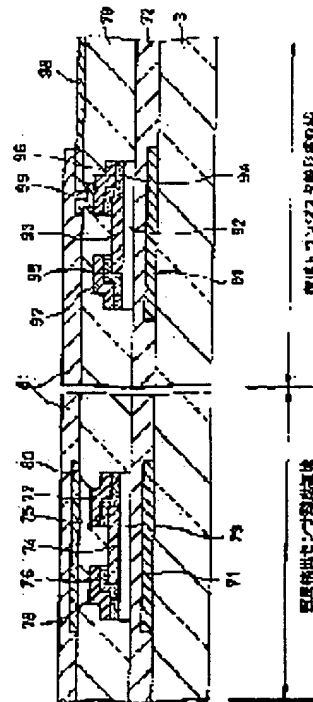
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## (54) DISPLAY DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To prevent the number of parts from increasing even if a liquid crystal display device utilizing both backlight and external light simultaneously is provided with an external light luminance detection sensor and a backlight luminance detection sensor for controlling brightness of the backlight.

**SOLUTION:** In an area for forming a thin film transistor, etc., on a rear face side glass substrate 3 of a pair of glass substrate in a liquid crystal display panel, a thin film transistor with one gate electrode 91 and a pixel electrode 98 are formed. Moreover, in a luminance detection sensor forming area on the glass substrate 3, an illuminance detection sensor consisting of double gated photoelectric transfer provided with two gate electrodes 71, 80 is formed. Thus, since the illuminance detection sensor is formed on the glass substrate 3 in one body, the number of the parts can be prevented from increasing.



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